CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Soil Erosion

Sheet and Rill Erosion

Planning Criteria	Planning Criteria Met
Screening level: Permanent ground cover > 90% and slope < 10%. Assessment level: The water erosion rate is <= T.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.	Yes ☐ No ☐
All non-traffic areas are vegetated.	Yes ☐ No ☐

Wind Erosion

Planning Criteria	Planning Criteria Met
Screening level: Permanent ground cover > 90% and slope < 10%. Assessment level: The wind erosion rate is <= T.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
All non-traffic areas are vegetated.	Yes ☐ No ☐
All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Classic Gully Erosion

Planning Criteria	Planning Criteria Met
Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.	Yes ☐ No ☐
Soil erosion in areas integrated with trees is controlled. There are no impacts on sensitive vegetation. There are no occurrences or enlargement of gullies.	Yes ☐ No ☐

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria	Planning Criteria Met
Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes, AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes, AND for streambanks, SVAP2 bank condition element score > 5.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Water Quality Degradation

Nutrients in Surface Water

Planning Criteria	Planning Criteria Met
Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas. Assessment level: Nutrients if applied, are based on a soil test, tissue tests or nutrient budget AND conservation practices and managements are in place to minimize surface water impacts.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater, AND - have few places where concentrated runoff flows through.	Yes ☐ No ☐
Livestock access to stream is controlled OR limited to small watering or crossing areas.	Yes ☐ No ☐

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Planning Criteria	Planning Criteria Met
Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Livestock access to stream is controlled OR limited to small watering or crossing areas.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria	Planning Criteria Met
Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.	Yes ☐ No ☐

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria	Planning Criteria Met
Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Excessive Sediment in Surface Water

Planning Criteria	Planning Criteria Met
Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: Upslope treatment and buffer practices address concentrated flows to water bodies AND the SVAP2 - bank condition >= 5 AND the livestock and vehicle water crossings are stable AND The water erosion rate is <= T AND wind erosion rate is <= T.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater, AND - have few places where concentrated runoff flows through.	Yes ☐ No ☐
Established filter strips are at least 30 feet wide and maintained.	Yes ☐ No ☐
All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.	Yes ☐ No ☐

Elevated Water Temperature

Planning Criteria	Planning Criteria Met
Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is >= 5 AND the SVAP2 - riparian area quantity quality element score is >= 5 AND the SVAP2 - canopy cover element score is >= 6, OR existing conservation practices are in place to address water temperature.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
More than 50 percent of the water surface is shaded on the length of the stream/river you control.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria	Planning Criteria Met
Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or treated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emmissions are managed to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Dust is controlled on all non-vegetated, unpaved travel ways.	Yes ☐ No ☐

Emissions of Ozone Precursors

Planning Criteria	Planning Criteria Met
Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emmissions are managed to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Emission of Greenhouse Gases (GHGs)

Planning Criteria	Planning Criteria Met
Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emmissions are managed to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.	Yes ☐ No ☐

Degraded Plant Condition

Inadequate Structure and Composition

Planning Criteria	Planning Criteria Met
Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The current plants provide the desired habitat structure and composition.	Yes ☐ No ☐

Excessive Plant Pest Pressure

Planning Criteria	Planning Criteria Met
Screening level: Plant productivity is not limited from pest pressure. Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Invasive and noxious weeds are controlled or not present.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria	Planning Criteria Met
Assessment level: The WHSI rating is >= 0.5 AND (when surface stream present) the SVAP2 - fish habitat complexity element score is >= 7 AND the SVAP2 - aquatic invertebrate habitat element score is >= 7, OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR food is available in quality and extent to support habitat requirements for the species of interest.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.	Yes ☐ No ☐
Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Inadequate Habitat - Cover/Shelter

Planning Criteria	Planning Criteria Met
Assessment level: The WHSI rating is >= 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is >= 7 AND the SVAP2 - fish habitat complexity element score is >= 7 AND the SVAP2 - aquatic invertebrate habitat element score is >= 7, OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Livestock access to stream is controlled OR limited to small watering or crossing areas	Yes ☐ No ☐
The pond/lake, which supports a natural or planted fish population, is managed: -to exclude livestock, -to control nuisance species and undesirable aquatic vegetation controlled, -to complies with state and local regulations when stocking the pond, AND -use of a buffer zone of diverse, natural plant cover at least 35 feet wide.	Yes ☐ No ☐
The stream(s) have: - a natural, unaltered configuration, with minimal channel straightening, dredging, or bank alteration by armoring with rip-rap or other non-natural materials, - stable banks with limited erosion or bank failure, and - human uses and/or grazing levels that do not negatively impact bank condition.	Yes ☐ No ☐

CSP-2017-1_RI - Final Draft RI Agland_Associated Ag Land

Inadequate Habitat - Water

Planning Criteria	Planning Criteria Met
Assessment level: The WHSI rating is >= 0.5 AND (when surface stream present) the SVAP2 - aquatic invertebrate habitat element score is >= 7, OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR water is available in quality and extent to support habitat requirements for the species of interest.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Access to water is at the right height, depth and time of year for wildlife species.	Yes ☐ No ☐
Changes to water flow for irrigation or otherwise are limited to not alter the stream's usual flow.	Yes ☐ No ☐

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria	Planning Criteria Met
Assessment level: The WHSI rating is >= 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is >= 7 AND the SVAP2 - aquatic invertebrate habitat element score is >= 7, OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
In-stream structures (dam, diversion structure, bridge, culvert, low-water stream crossing, etc.) allow for the upstream/downstream movement of fish and other aquatic animals throughout most of the year.	Yes ☐ No ☐
People, vehicles, equipment, or livestock are only moved across a stream/river at a bridge, culvert, or stabilized ford crossing(s). Travel across the stream/river beyond these crossings is controlled.	Yes ☐ No ☐

Livestock Production Limitation

Inadequate Feed and Forage

Planning Criteria	Planning Criteria Met
Assessment level: When the land use has a "grazed" modifer, livestock forage, roughage and supplemental nutritional requirements addressed.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The existing feed/forage quantity/quality meet the livestock needs and goals.	Yes ☐ No ☐

Inadequate Shelter

Planning Criteria	Planning Criteria Met
Assessment level: When the land use has a "grazed" modifer, artificial or natural shelters meet animal health needs and client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Livestock has adequate shelter.	Yes ☐ No ☐

Inadequate Water

Planning Criteria	Planning Criteria Met
Assessment level: When the land use has a "grazed" modifer, water of acceptable quality and quantity adequately distributed to meet animal needs.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
The livestock has enough drinking water of good quality.	Yes ☐ No ☐

Inefficient Energy Use

Equipment and Facilities

Planning Criteria	Planning Criteria Met
Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major componenets of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.	Yes ☐ No ☐

Farming/Ranching Practices and Field Operations

Planning Criteria	Planning Criteria Met
Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major componenets of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.	Yes ☐ No ☐

Evaluation Tests	Evaluation Test Met
Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.	Yes ☐ No ☐